Date: Fri, 13 May 94 13:31:15 PDT

From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>

Errors-To: Info-Hams-Errors@UCSD.Edu

Reply-To: Info-Hams@UCSD.Edu

Precedence: Bulk

Subject: Info-Hams Digest V94 #521

To: Info-Hams

Info-Hams Digest Fri, 13 May 94 Volume 94 : Issue 521

Today's Topics:

"Sacred Frequencies"

Batteries for Kenwood TH-78A

Daily Summary of Solar Geophysical Activity for 11 May destinate.

Newly licensed today!
repeater slang/lingo. (2 msgs)
RF & Capacitors (2 msgs)
single ch x-tal receiver?
use INTERNET for linked repeater?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu> Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu> Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 13 May 94 20:24:28 GMT From: news-mail-gateway@ucsd.edu Subject: "Sacred Frequencies"

To: info-hams@ucsd.edu

I noticed a few of you talking about "sacred frequencies" and the like. Here is another one for you:

In January this year a few of us had an "IOTA EXpedition" to a local island. I did most of my operating on 15 mtrs. The other station operated 20. Every time he would ask on the "sacred" IOTA freq of 14.260 if the frequency was in use, he would get a "yes it is". But the fact is that the police were holding the frequency for a more important IOTA that never showed up on the frequency for the whole

weekend. Therefore, we had to look for a clear frequency which was not too easy to find on 20 (gets like that sometime). If we were fortunate enough to find a clear frequency it most often fell a distance from the designated IOTA frequency and cost us much time lost in our searching. I guess that being the good guys we were, we just took it in stride and moved... It's a little agrivating when you invade a sacred frequency and will be asked to move but it is another story when told that the frequency is in use and is being held for a station that never showed up!!! This time we did what we thought was right. Next time we might fire up the 4-1000 and beam and "take" the frequency we deserved for our operation and efforts in advertising our Expedition...

Open for any comments.....

73's Evert WA50JI

Evert R. Halbach WA50JI

Internet - cs-erh@nich-nsunet.nich.edu

Phone - (504) 448-4999

Snail - P.O. Box 2168 Thibodaux, La. 70310

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Date: Thu, 12 May 1994 21:47:43 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!EU.net!news.eunet.fi!krk!

krksun.krk.fi!oh2mkq@network.ucsd.edu Subject: Batteries for Kenwood TH-78A

To: info-hams@ucsd.edu

W.F.Schroeder (schro@norton.sni.de) wrote:

- : In <2psn0m\$h5n@apakabar.cc.columbia.edu> mrw13@namaste.cc.columbia.edu (Marc Richard Wollemborg) writes:
- : >I finally decided on buying a Kenwood TH-78A and am now considering which
- : >batteries to get with it. There are actually a couple mail order places
- : >which will ship the radio with a battery besides the standard PB-13. This
- : >is how the three main Kenwood batteries compare:
- : > PB-13 Standard 7.2V 700A 2.5W on High Power (approx. 4.5 hrs.)
- : > PB-17 High-Power 12.0V 700A 5.0W on High Power (approx. 3.0 hrs.)
- : > PB-18 Long-Life 7.2V 1100A 2.5W on High Power (approx. 7.0 hrs.)
- : The 7.2V/700mA came with the radio when i got my TH-78E.
- : It's small and fits completely inside the rig. I mainly use it when i
- : carry the 78 around. Good for listening but don't talk too much.

So, PB-13 is equal to BT-8 if you have 700mAh cells in the battery pack. Personally I (and my friend here) have used only batterypacks with my Handy. Why? Becaus it's much cheaper to buy few sets of NiCd cells to batterypack than buy a original pack; then you can twist and shout with the sets (in public transportation system) when replacing the used ones with full ones:)

(I have IC-2SET and IC-W2A and they both eat same packs. First ICOM had the battery pack (case) BP-86 and you couldn't charge the NiCds through it but then came the BP-90 and that's the best for me now.)

I've never used dry-cell-batteries in my packs.

: to get a set of those new NiMH cells that claim a capacity of 1200mA.

: 73 Django

: DL5YEC

How much do they cost? (In DM)

- -

Janne, OH2MKQ@OH2BAW.FIN.EU (on packet)

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Date: Wed, 11 May 1994 22:34:51 MDT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!psgrain!nntp.cs.ubc.ca!

alberta!ve6mgs!usenet@network.ucsd.edu

Subject: Daily Summary of Solar Geophysical Activity for 11 May

To: info-hams@ucsd.edu

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

11 MAY, 1994

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 11 MAY, 1994

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NOTE: Electrons at greater than 2 MeV were at very high levels today.

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 131, 05/11/94 10.7 FLUX=081.9 90-AVG=087 SSN=038 BKI=5444 2333 BAI=022 BGND-XRAY=A8.6 FLU1=2.7E+05 FLU10=1.3E+04 PKI=4544 3334 PAI=024 BOU-DEV=078,061,063,050,010,026,027,034 DEV-AVG=043 NT SWF=00:000 XRAY-MAX= B3.4 @ 1753UT XRAY-MIN= A6.4 @ 2011UT XRAY-AVG= B1.0 NEUTN-MAX= +002% @ 2140UT NEUTN-MIN= -002% @ 1400UT NEUTN-AVG= +0.3% PCA-MAX= +0.2DB @ 1505UT PCA-MIN= -0.4DB @ 0305UT PCA-AVG= -0.0DB BOUTF-MAX=55348NT @ 2324UT BOUTF-MIN=55289NT @ 1721UT BOUTF-AVG=55320NT GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+079,+000,+000 GOES6-MAX=P:+137NT@ 1936UT GOES6-MIN=N:-100NT@ 0418UT G6-AVG=+098,+032,-043 FLUXFCST=STD:084,087,087;SESC:084,087,087 BAI/PAI-FCST=015,015,015/020,020,020 KFCST=2213 3112 2323 3222 27DAY-AP=026,016 27DAY-KP=5435 4334 4333 3334 WARNINGS=\*GSTRM; \*AURMIDWCH ALERTS=

!!END-DATA!!

NOTE: The Effective Sunspot Number for 10 MAY 94 is not available. The Full Kp Indices for 10 MAY 94 are: 4+ 4o 6- 3+ 30 30 3+ 5-The 3-Hr Ap Indices for 10 MAY 94 are: 34 30 69 17 14 16 19 36 Greater than 2 MeV Electron Fluence for 11 MAY is: 2.2E+09

## SYNOPSIS OF ACTIVITY

Solar activity was very low. No significant events were observed the past 24 hours. New Region 7722 (N07E81, Carrington Longitude 122) was numbered this period as a DHO beta group with 4 spots. Rgn 7722 appears to herald the return of old Rgn 7701 (carr lo 120) which produced only weak activity its last pass. All other regions have exhibited slow decay. Two filaments disappeared this period: a 10 degree long filament centered at N34E30 and a 19 degree long filament centered at S35W24.

Solar activity forecast: solar activity is expected to be very low. We will watch the development of new Rgn 7722 for enhanced flare potential.

The geomagnetic field has been at mostly quiet to active levels with some isolated periods of minor to major storm conditions. The GT 2 MeV electron flux was in the very high range.

Geophysical activity forecast: the geomagnetic field is expected to be mostly quiet to active for the next three days.

Event probabilities 12 may-14 may

Class M 01/01/01 Class X 01/01/01 Proton 01/01/01 PCAF Green

Geomagnetic activity probabilities 12 may-14 may

A. Middle Latitudes

Active 25/25/25
Minor Storm 10/10/10
Major-Severe Storm 05/05/05

B. High Latitudes

Active 25/25/25
Minor Storm 20/15/10
Major-Severe Storm 10/05/05

HF propagation conditions are very gradually improving, but remained below-normal over the high and polar latitude circuits. Night-sector signal degradation is the strongest over these regions. Conditions should continue to improve gradually over the next 3 to 5 days.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 11/2400Z MAY

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 NMBR
 LOCATION
 LO
 AREA
 Z
 LL
 NN
 MAG
 TYPE

 7719
 S07W30
 230
 0010
 BXO
 01
 002
 BETA

 7721
 S12E55
 145
 0020
 BXO
 02
 002
 BETA

 7722
 N07E79
 122
 0270
 DHO
 10
 004
 BETA

 7713
 N06W93
 293
 PLAGE

 7714
 S14W84
 284
 PLAGE

 7718
 N10W38
 238
 PLAGE

 7720
 S10W01
 201
 PLAGE

REGIONS DUE TO RETURN 12 MAY TO 14 MAY

NMBR LAT L0 7707 N00 078 7705 N03 091 7708 N09 109

LISTING OF SOLAR ENERGETIC EVENTS FOR 11 MAY, 1994

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BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP NONE

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 11 MAY, 1994

\_\_\_\_\_\_

END LOCATION TYPE SIZE DUR II IV B1331 N34E30 DSF MAX BEGIN

11/A0051

INFERRED CORONAL HOLES. LOCATIONS VALID AT 11/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS EAST SOUTH WEST NORTH CAR TYPE POL AREA NO DATA AVAILABLE FOR ANALYSIS

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date Begin Max End Xray Op Region Locn 2695 MHz 8800 MHz 15.4 GHz 

10 May: 1059 1104 1106 B1.2

1112 1116 1120 B1.4

1326 1329 1332 B1.9

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

S 1 2 3 4 Total (%) C M X

--- ------ -- ---- -- -- --Uncorrellated: 0 0 0 0 0 0 0 003 (100.0)

Total Events: 003 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

\_\_\_\_\_\_

Date Begin Max End Xray Op Region Locn Sweeps/Optical Observations ----------

NO EVENTS OBSERVED.

## NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

= Type II Sweep Frequency Event

= Type III Sweep

= Loop Prominence System,

= Type IV Sweep = Type V Sweep Continuum = Continuum Radio Event

= Limb Spray,

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Surge
                 = Bright Limb Surge,
        EPL
                 = Eruptive Prominence on the Limb.
** End of Daily Report **
Date: Thu, 12 May 1994 19:39:01 +0000
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!pipex!demon!
llondel.demon.co.uk!dave@network.ucsd.edu
Subject: destinate.
To: info-hams@ucsd.edu
In article <CpnHFJ.MDM@wang.com> dbushong@wang.com (Dave Bushong) writes:
>t1terryb@cascade.ens.tek.com (Terry Burge) writes:
>>Slang words aren't found in a dictionary unless they have been around
>>for many, many years. As far as 'destinated' goes, I have heard that
>>used by hams since the mid 70's. Not just the new hams neither.
>And I've always hated it. That's why I say that "I have arriven."
As I lose my local repeater behind a hill as I go out of range, I always
sign off with "...and going round the bend" :-)
Dave
***************************
* G4WRW @ GB7WRW.#41.GBR.EU AX25 * Start at the beginning. Go on
until the end. Then stop.
* g4wrw@g4wrw.ampr.org Amprnet *
                                    (the king to the white rabbit) *
***************************
______
```

Date: Mon, 9 May 1994 20:08:00 GMT

ΙI

III

Loop Spray

ΙV

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!iat.holonet.net!svarbbs!

bob.marselle@network.ucsd.edu
Subject: Newly licensed today!

To: info-hams@ucsd.edu

SH> UNIX / Amateur Radio enthusiast KB8SGL Great story! Congratulations! The excitment of getting ur ticket in the mail was well expressed and fun to read. I wish u a life time of uninterrupted power supply drain, and as little hetrodyne as possible as u listen to the magic of radio.

73... de Bob, AC6AV.

\* OLX 2.1 TD \* Home is where the tower is!

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Date: Thu, 12 May 1994 19:24:13 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!cs.utexas.edu!

howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!ncar!csn!col.hp.com!srgenprp!

alanb@network.ucsd.edu

Subject: repeater slang/lingo.

To: info-hams@ucsd.edu

Tom Bodoh (bodoh@dgg.cr.usgs.gov) wrote:

: What's the story with the guys that end with 'Hi Hi' or is it just around

: here?

It's the way to indicate laughter on Morse code. Not sure why, perhaps it's because "di-di-di-dit di-dit" kind of sounds like a chuckle.

But saying "Hi Hi" on voice is kind of a nerdy ham thing to do. A real human chuckle gets the message across much better.

AL N1AL

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Date: Thu, 12 May 1994 19:17:40 GMT

From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!usc!elroy.jpl.nasa.gov!ncar!csn!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!

cupnews0.cup.hp.com!jholly@@ihnp4.ucsd.edu

Subject: repeater slang/lingo.

To: info-hams@ucsd.edu

Tom Bodoh (bodoh@dgg.cr.usgs.gov) wrote:

: What's the story with the guys that end with 'Hi Hi' or is it just around

: here?

Jim, WA6SDM

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Date: Thu, 12 May 1994 19:19:52 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net! gatech!newsxfer.itd.umich.edu!ncar!csn!col.hp.com!srgenprp!alanb@network.ucsd.edu

Subject: RF & Capacitors To: info-hams@ucsd.edu

Sameer Manek:SysOp (seawolf@yesanext.sbay.org) wrote:

- : I have an '84 Honda Accord, in which I recently installed a CB radio
- : which draws its power from the cigarette lighter circuit. The problem
- : is that I also use that same circuit for some LEDs that I've installed
- : in the car to make it look like I have a car alarm.
- : Unfortunately this LEDs are the blinking kind, and when the LED blinks
- : it causes a "tick" noise on the CB. ... So one friend
- : of mine suggested that I add a capacitor inline with the LED circuit,
- : and that should solve the problem.
- : But that doesn't seem to make sense to me, because its the CB that needs
- : the steady power supply not the LED....shouldn't I add the capacitor
- : in series with the CB instead?? Or do I need some kind of low pass
- : filter?

The capacitor goes in parallel, not in series. (Otherwise no DC current would get through to power the device.) If the "tick" noise is coming in through the power cables, than it won't make much difference where the capacitor is located, provided it is somewhere in the line between the LED and the CB.

But the LEDs may actually be causing RF radiation which is getting picked up by the CB antenna. If so, then the best place for the capacitor is as close to the LEDs as possible -- inside the box if possible. I would try a value of around .1 uF (microFarad) or so. Keep the capacitor leads as short as possible.

If the noise is coming in through the power wires, then a larger value would be appropriate, perhaps 100 uF or so. A value of that size will be an electrolytic type, which is polarized. Make sure the end labelled

"-" goes to the negative wire (usually ground).

If a simple capacitor doesn't work, you can buy more elaborate filters designed to eliminate ignition noise on the +12V power leads going to CB and stereo sets.

AL N1AL

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Date: Thu, 12 May 1994 07:17:29 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!EU.net!ieunet!

tcdcs!news.tcd.ie!unix2.tcd.ie!rnfuller@network.ucsd.edu

Subject: RF & Capacitors To: info-hams@ucsd.edu

In <XBg2Lc2w165w@yesanext.sbay.org> seawolf@yesanext.sbay.org (Sameer Manek:SysOp)
writes:

>Hi,

>is that I also use that same circuit for some LEDs that I've installed
>in the car to make it look like I have a car alarm.

>Unfortunately this LEDs are the blinking kind, and when the LED blinks >it causes a "tick" noise on the CB. Installing a switch on the LED is >out of the question because then I'd forget to turn it on. So one friend >of mine suggested that I add a capacitor inline with the LED circuit, >and that should solve the problem.

It is possible to get a switch that turns itself on when you turn the ignition of your vehicle of. They can quite easily be installed if you are in any way interested in electrics or know anyone who is.

>But that doesn't seem to make sense to me, because its the CB that needs >the steady power supply not the LED....shouldn't I add the capacitor >in series with the CB instead?? Or do I need some kind of low pass >filter? Any clues?

The idea of using a capacitor is a good one, it is the way that cheap power supplies change your A.C. mains into a D.C. supply, it basically works by softening the peaks of power that the supply sees, when the led is off, the capacitor charges at some rate (V=V1e^-Ct I think) then when the led is on, the capacitor discharges at another rate, however it is still charging at the other rate at the same time. This is the alternative to having no capacitor in which the led is either on (power supplied) or off (power not supplied) and these power surges may be the reason for the clicking that you hear accross the CB. Of course if you examine your led, you may find

that since it is a flashing led, that there is already a capacitor in it for the timing mechanism, this is not to be worried about as it is usually not that serious however the sudden discharge from this capacitor could be such thatit is the reason for your RF interference if it is a cheap capacitor. Then and again, the capacitor would probably not be in line with the led, and attached to a transistor so that when it went over a certain potential, the led would come on. Any way enough babling for the moment, I gotta head to a lecture, (Thermo Dynamics I think). Hope this lecture has not been too boring for you, and has helped somewhat.

Bye-D-Bye

RF

>Thanks for your help.

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Date: 13 May 1994 02:01:26 -0400

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!msuinfo!news.mtu.edu!news.mtu.edu!not-

for-mail@network.ucsd.edu

Subject: single ch x-tal receiver?

To: info-hams@ucsd.edu

Does anybody out there know of any single channel receivers that run off of crystals? (ie scanner crystals) Preferably something cheap. Kits are fine.

I am very involved in Fire, EMS, ARES, etc. and I need to monitor several freqs at once. I want to set up a unit that can receive all the freqs I need without scanning, that way I don't interfere with one or another freq.

I've seen Ramsey's receiver kits, but I'm afraid that they would somehow become "untuned" if they got moved around, or a little

cousins hand found the knobs, etc. I would like something that I could just pop the xtal in and be pretty much set.

Thanks and '73!

Matt

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Date: 12 May 1994 19:42:52 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!

news.cac.psu.edu!news.tc.cornell.edu!travelers.mail.cornell.edu!

tuba.cit.cornell.edu!crux1!jrl2@network.ucsd.

Subject: use INTERNET for linked repeater?

To: info-hams@ucsd.edu

teacherjh@aol.com (Teacherjh) writes:

>Am I too much of a purist? It would seem to me that using landlines to linke >repeaters (or using the internet, which is even more complex) would defeat the >purpose of radio communication... which is to eliminate dependance on >landlines.

>'Course, I could easily be wrong.. I don't have much experience in the
>matter..I'd be interested in reasons for contrary thoughts. :)

>Jose KD1SB

Jose,

The purpose I originally thought of this setup for was for an emergancy comm link to take the place of an HF link. Many college club stations are comprised of no-coders only. Using an internet hop instead of a hf hop would enable stations like these (those with access to radio + internet equipment) help out passing traffic in an emergancy. While in an emergancy the 'rules fly out the window' it would be nice to be able to test such a system in a non-emergancy and be sure that you are operating in the right.

from the responses I have received, people don't consider this

to be an action against the amateur radio rules. That of course does not mean it's not though...

-Jeff N2TIQ

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Date: Thu, 12 May 1994 19:46:44 +0000

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!pipex!demon!

llondel.demon.co.uk!dave@network.ucsd.edu

To: info-hams@ucsd.edu

References <1994May11.083458.812@pacs.sunbelt.net>, <2qqt3k\$bu@paperboy.gsfc.nasa.gov>, <CpnMEx.Kov@cbnewsc.cb.att.com>k Subject : Re: HAM RADIO RUDENESS

In article <CpnMEx.Kov@cbnewsc.cb.att.com> k9jma@cbnewsc.cb.att.com
 (edwin.m.schaefer) writes:

>Well, that was my first reaction when it happened to me while trying >to find a clear spot to keep a sked on 75 Phone in the wintertime. I'm >not a (serious) DXer, but on reflection I thought it no worse than the >many nets that keep "their" frequencies occupied for a time before the >"net" actually begins as well as during the operation.

If they are actually on-air using the frequency then fair enough, but 'ownership' doesn't really start until the freq is being used. Otherwise I claim the whole of 2M because I can arrange to use all of it at some time during the day :-)

The only exceptions would be recognized calling frequencies, although even there, the convention on VHF is that you QSY once contact is made. It is almost a shame that the QSY doesn't apply to HF as well, although propagation would probably make it impractical if everyone tried to use the same frequency at once.

Dave

- -

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Date: 11 May 1994 14:09:06 GMT

From: tymix.Tymnet.COM!niagara!flanagan@uunet.uu.net

To: info-hams@ucsd.edu

References <2qf630\$lkp@abyss.West.Sun.COM>, <2qli86\$8ke@tymix.Tymnet.COM>, <brett\_miller.200.00000F35@ccm.hf.intel.com>.net
Subject : Re: Sick Ham

In article <br/>
brett\_miller.200.00000F35@ccm.hf.intel.com>
brett\_miller@ccm.hf.intel.com (Brett Miller - N70LQ) writes:
>Just kidding. I don't want any QSL cards, but I was always under the
>impression that we were supposed to communicate with a person over the air
>before sending a QSL card. Do they now double as Get-Well cards and
>Change-of-address cards??

I sent the card without filling out the QSO information. I sent it as a friendly "Get Well" postcard from one ham to another.

It seemed like an innocent request.

73,

Dick, W60LD
-Dick Flanagan, W60LD
dick@libelle.com

w6old@n6qmy.#nocal.ca.usa.na
CIS:73672,751 GEnie:FLANAGAN

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End of Info-Hams Digest V94 #521 \*\*\*\*\*\*\*\*\*\*\*